

Smarter Home
Sweeter Life

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THE **Akuvox** COMPANY

As the industry leader in smart living technology, the Akuvox Company designs, develops and supplies smart intercom and smart home products and solutions for mid-to-high-end markets globally. Our mission is simple: harnessing technology's prowess to improve people's lives with better communication, greater security, and more convenience.

Present in over 110 countries and regions, our products and solutions serve as the cornerstone of seamless living experiences. From private residences to bustling commercial spaces, from healthcare facilities to public safety realms — we cater to a world of diverse needs.





Meet akubela, the embodiment of smart home brilliance by Akuvox. Drawing inspiration from a cappella's captivating music shaped solely by human voices, akubela echoes purity and harmony. Much like a cappella's heavenly melodies, an akubela home envelops you with warmth, caring for both your soul and your family's needs.

With a unique focus on communication, security, and sustainability, akubela specializes in state-of-the-art smart home products and solutions. We strive to craft the perfect fusion of the latest technologies and impeccable industrial design, elevating your daily life from every angle and perception.



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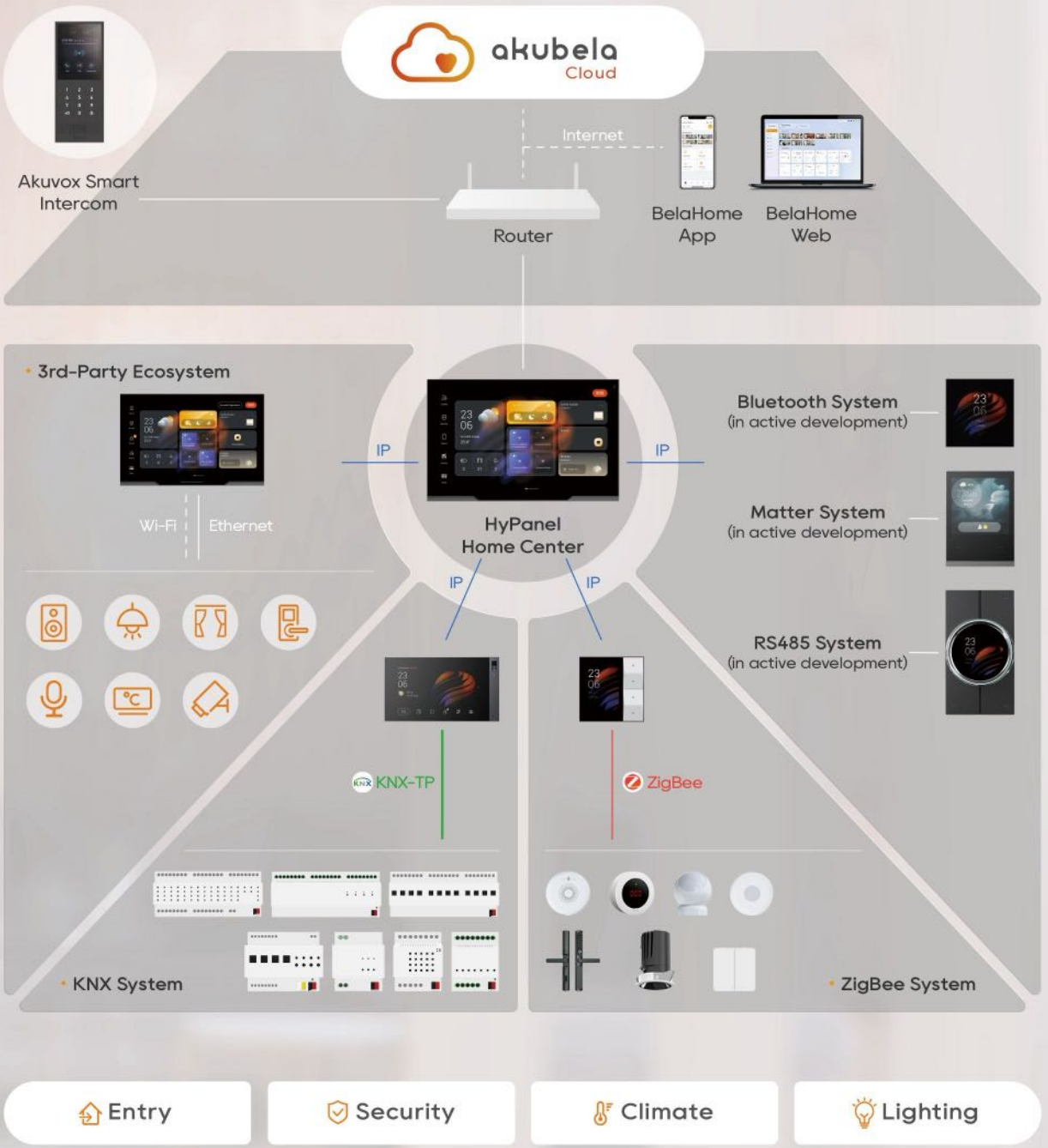


Whole-House Connectivity

Relying on robust systems complying with international communication standards, akubela creates a smart control network that covers every corner of the entire house.

akubela whole-house connectivity branches off the IP network backbone and utilizes the wired KNX solution for enhanced system stability and security, integrating with smart sub-systems through KNX-certified accessories. To ensure efficient and flexible communication, akubela enables ZigBee and Wi-Fi to connect with multiple smart devices. To ensure compatibility, akubela has a combined solution of KNX, ZigBee, Wi-Fi, and Ethernet to integrate with third-party ecosystems seamlessly. akubela Bluetooth, Matter, and RS485 systems are also under active development, making akubela fully future-proof.

akubela Smart Home is robust, versatile, and cross-compatible, combining home automation, intercom, and security. All systems can be managed and maintained through the akubela Cloud.



Highlights



Wired and wireless technologies are seamlessly blended together — KNX, ZigBee, Bluetooth, Wi-Fi, Ethernet, RS485, and IR, ensuring a reliable, flexible, and secure system operation and providing users with a smart interconnected experience.

akubela allows a distributed layout, one panel per space. Each HyPanel acts as a connection center in its respective smart home space, establishing connections between each other via Wi-Fi or Ethernet.



The BelaHome App offers effortless remote control for centralized management of your whole-house intelligence. Customize scenes and automate your home to meet personalized preferences.



akubela **KNX** Smart Home

Built for Whole-House Connectivity

akubela creates a powerful IoT network combining wired KNX, wireless technologies, and HyPanels as smart control interfaces.

Highlights



Interoperable

Thanks to KNX's interoperability, akubela HyPanels can centrally manage and control various smart home sub-systems such as lighting, climate, access, security, HVAC, curtains, music, energy consumption and more.

Reliable

KNX is known for its reliability, providing stable and secure data transmission between devices. This reliability is crucial for physical security and real-time control tasks such as lighting and heating control, contributing to the overall quality of the smart home system.



Quality

KNX-certified products also adhere to ISO, EN, and GB standards. This commitment to quality guarantees consistent performance, resilience to interference, and the ability to recover from faults or disruptions, ensuring the smart home system operates smoothly over time.

Smart Sub-Systems

Welcome to akubela Smart Home, where we provide personalized solutions for creating a cozy, safe, and inviting living environment. Our solutions for smart home sub-systems range from lighting, climate, security, and entry control to a host of upcoming features, ensuring that we cater to your unique requirements with precision.



 Switches

 Dimming

 Tuning

 Scene Setting

 Remote Control

 Voice Control

 Group Control

 Accurate Control

akubela | Lighting

Illuminate Life

More than mere illumination, light holds the key to enriching your home experience. akubela's Lighting System offers versatile wired and wireless connections, enabling seamless on/off switching, dimming, color tuning, and ambience

scene setting. You can control your lighting through touch screens, buttons, mobile apps, and voice commands.





 KNX
  L&N Wires
  ZigBee
  Wi-Fi/Ethernet



akubela HyPanels

The akubela HyPanels function as versatile control panels and gateways, efficiently managing all your home devices. Using ZigBee or Wi-Fi, HyPanels seamlessly connect to a variety of lights and switches, providing the convenience of customizable lighting scenes and one-touch control over multiple devices.



Smart Spotlights

akubela spotlights feature a high CRI (Ra) of over 95, allowing objects to display their natural hues in all their beauty. You can tune your home ambience with akubela spotlights, which offer a full RGB color spectrum and pure white light from 2700K to 6500K. The spotlights are also anti-glare treated. They save 60% to 80% energy compared to incandescent bulbs, and connect seamlessly to HyPanels via ZigBee 3.0, and can be controlled remotely via the BelaHome app.



Smart Key Switches

The AG glass keeps fingerprints and stains at bay, ensuring your surfaces stay clean. Its frosted finish adds an elegant touch. You can control it remotely with the BelaHome app, manually using tactile key buttons, or with voice commands through popular voice assistants.



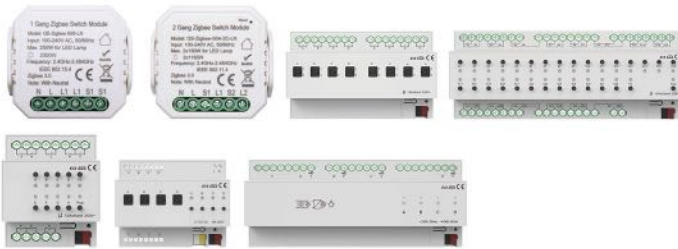
1/2/3 Gang Smart Switch

The touch switch panel embraces the aesthetics of a traditional electrical box, flawlessly fitting into your existing infrastructure to replace conventional switches and sockets. With remote control and automated lighting, it provides effortless mastery over your lighting.



Smart Motion Sensor /Human Presence Detector

Teaming up with smart lights, the motion sensor unveils a realm of possibilities for your smart home. Envision this: if it senses someone sneaking in, all the lights can flick on to deter the intruder. Likewise, lights automatically switch off when detecting no human presence.



Switch Modules/Dimmer Modules

The embedded wall switch module smoothly integrates into conventional switches or sockets, elevating them into the realm of "smart" devices. With this module, lighting devices can be remotely controlled and interact intelligently with other devices.



DALI Gateway

The DALI gateway provides users with precise control over lighting devices, offering functions such as brightness adjustment, scene setting, and grouping control. It can be seamlessly integrated with various sensors, including light and motion sensors, and control systems. This integration enables automated and intelligent lighting control, enhancing energy efficiency and user comfort.



KNX Power Module

The Power Module is designed to supply power for driving devices with higher current demands or for driving more devices in the system.

Highlights



01

Smooth Connectivity & Wide Compatibility

Compatible with a wide range of third-party smart devices and brands, linking seamlessly via KNX, ZigBee, Wi-Fi, and L&N wires.



05

Effortless Automation

Enables lightweight automation with a range of smart sensors and add-ons, and whole-house lighting control without the need for manual intervention.



02

Versatile Control Options

Supports a variety of methods, including physical buttons, a rotary knob, touch screens, air gestures, apps, and voice commands.



06

One-Touch Control

Supports one-touch lighting control, allowing you to effortlessly switch on or off light groups across various zones with a single touch.



03

Professional Lighting Fixture

Smart lighting, and also professional lighting. akubela's lights deliver true color rendition, an expansive RGB spectrum, tunable color temperature, and an anti-glare light source.



07

Harmony with Smart Locks

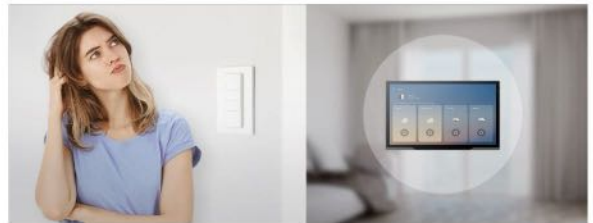
Syncs with your smart door locks, activating entryway lights instantly when your door opens.



04

Customized Scenes for Every Moment

Allows setting personalized scenes to match your activities, whether you're arriving home, saying goodbye, relaxing, or preparing for a restful sleep.



08

Intuitive & Precise Operation

The days of puzzling over which key switch controls which light are over. akubela HyPanels offer straightforward operation with clearly labeled lights and precise control over light dimming and color tuning.

 Heating

 Ventilation

 AC

 Thermostat

 Curtains

 Shades

 Remote Control  Voice Control



akubela | Climate

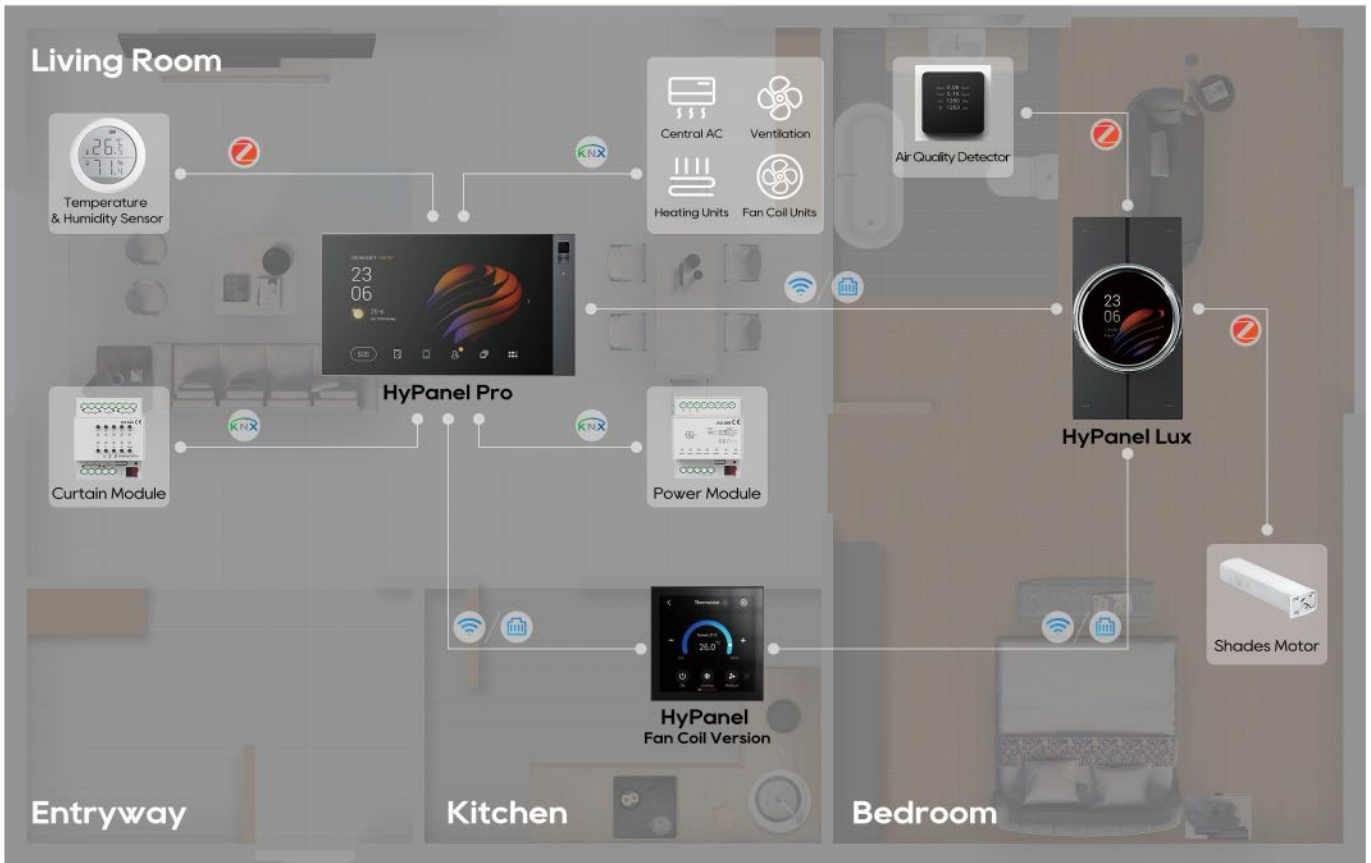
Embrace Cozy Comfort

Indulge in the embrace of warmth and comfort with real-time environment monitoring. From efficient heating and cooling to refreshing ventilation, our system ensures a healthy and cozy indoor atmosphere. Versatility is at the heart

of our system, supporting multiple connectivity options and effortlessly adapting to various HVAC systems worldwide. Crafting the perfect ambience is a breeze.



KNX System

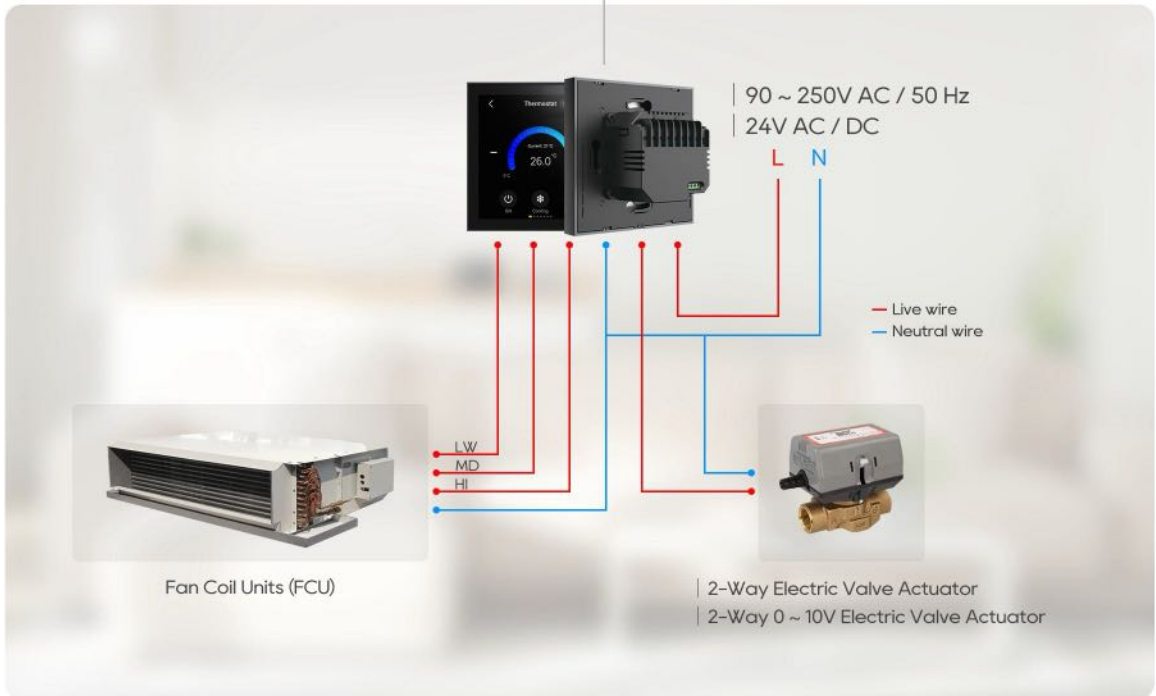


KNX KNX ZigBee Wi-Fi/Ethernet

Fan Coil Unit System



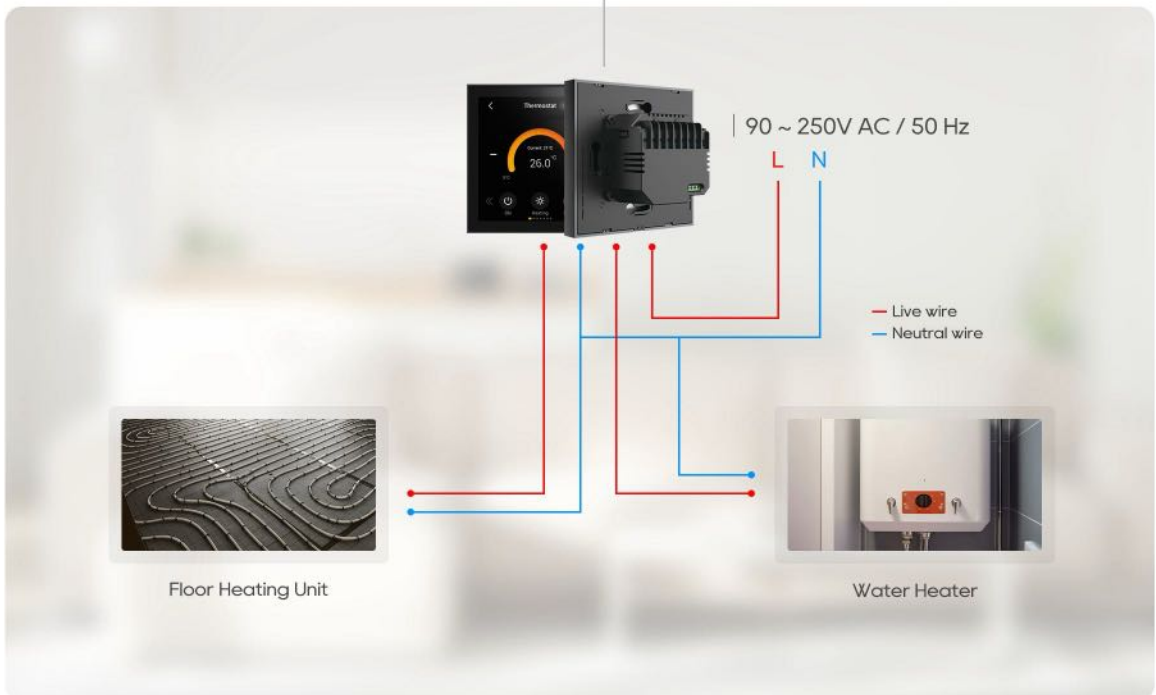
L&N Wires ZigBee Wi-Fi/Ethernet



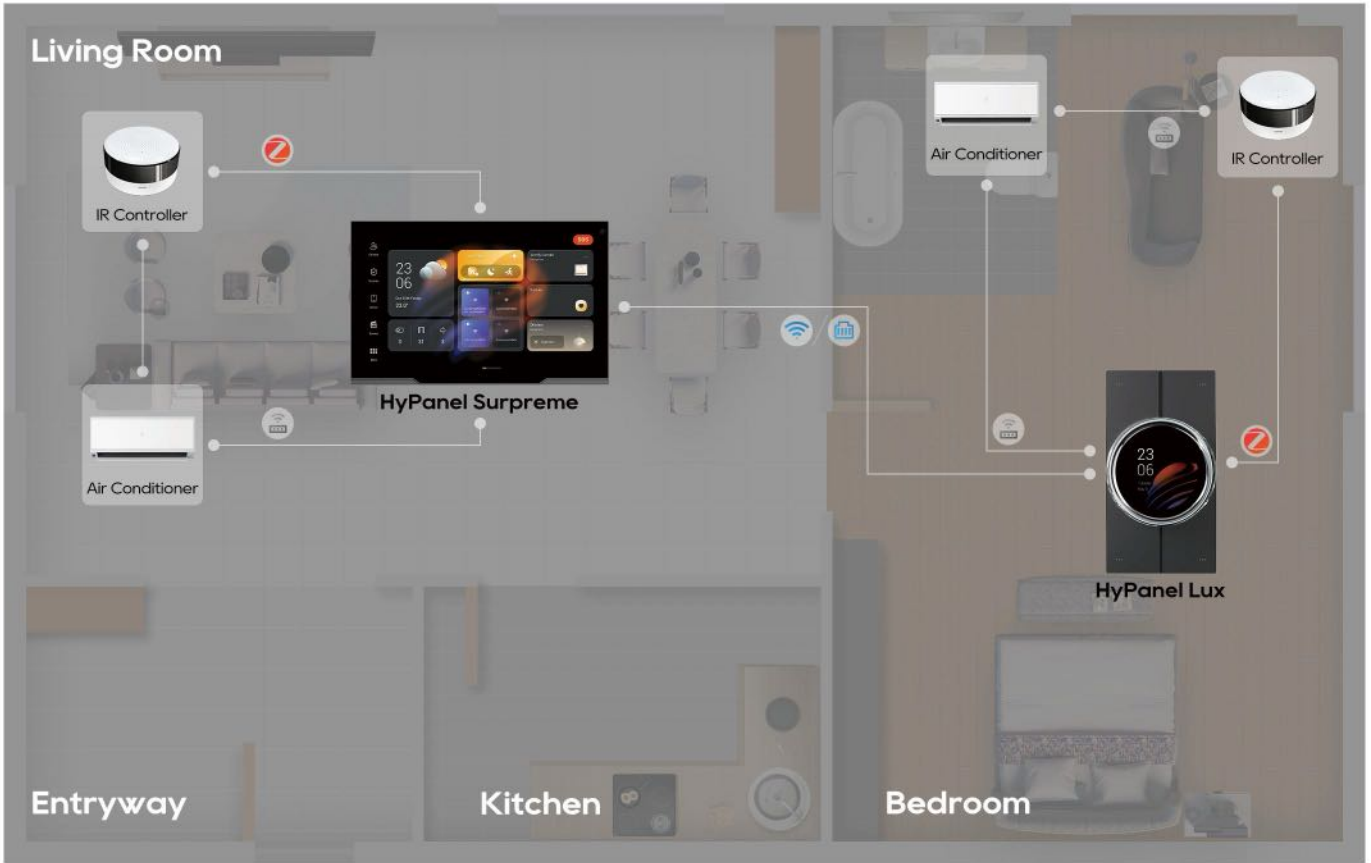
Heating Unit System



L&N Wires ZigBee Wi-Fi/Ethernet

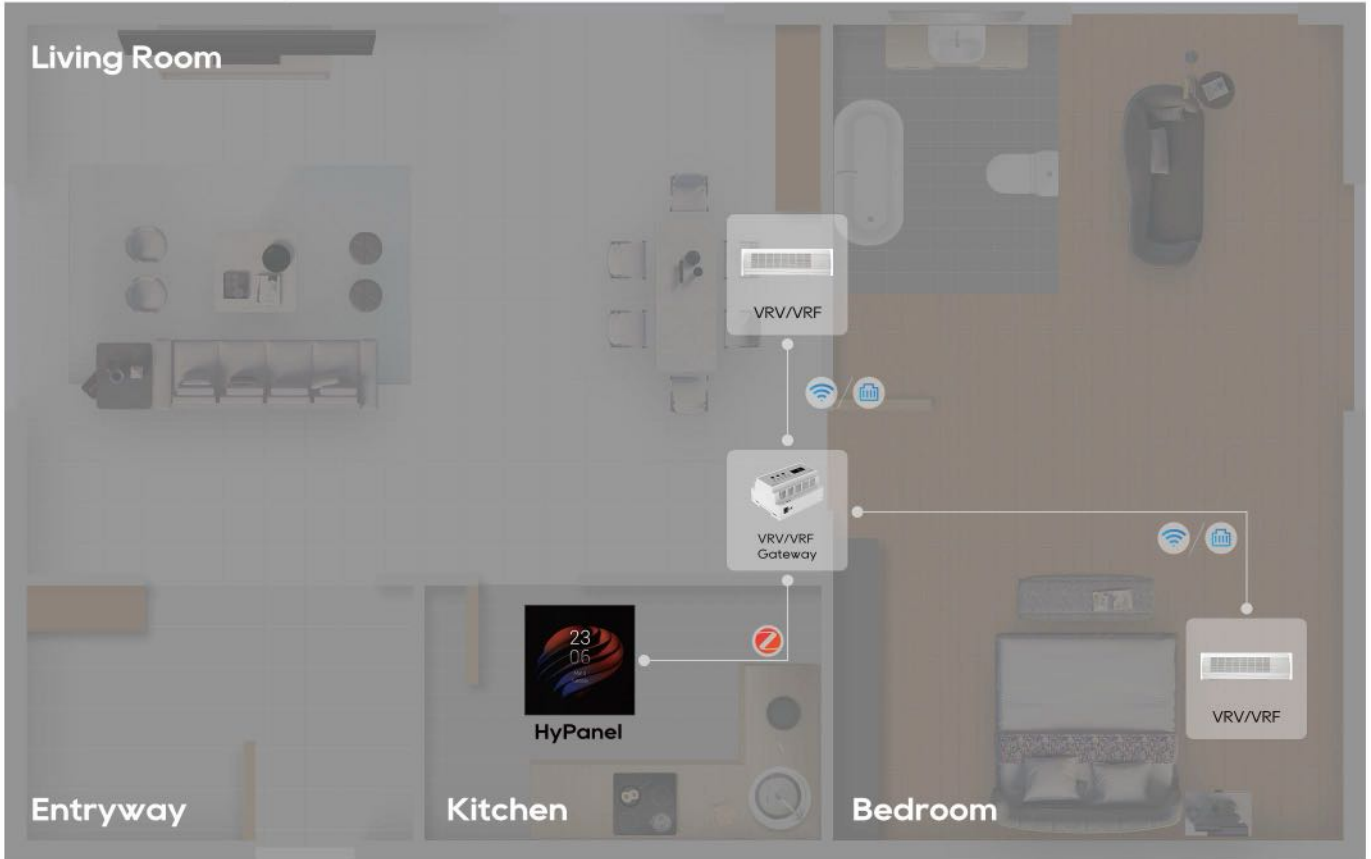


IR-Controlled Air Conditioning System



Infrared ZigBee Wi-Fi/Ethernet

VRV/VRF System



ZigBee Wi-Fi/Ethernet



akubela HyPanels

The akubela HyPanels offer a range of back boxes designed to meet various international standards and requirements. They address the HVAC needs specific to each market, providing a comprehensive climate control solution. The HyPanels are multi-functional, serving as smart home centers, smart thermostats, and indoor monitors. In creating an ideal smart home climate, the HyPanels integrate with and manage various elements such as heating, ventilation, air conditioning, and shades automatically and precisely.



Shades Motor (ZigBee)

This ZigBee motor is versatile, powering the opening and closing of curtains, shades, blinds, and more. Imagine waking up to the gentle glide of curtains opening at dawn, welcoming you to the day with natural light. While you're away, these curtains dutifully close, ensuring your privacy and shielding your space from external temperature changes.



Fan Coil / Heating Thermostat (ZigBee)

The thermostat enables precise control of your home's indoor climate. It automatically adjusts temperatures and creates a personalized heating and cooling schedule that aligns with your daily routines and occupancy patterns. This not only maximizes comfort but also minimizes energy wastage.



Smart Air Quality Detector & Smart Temperature and Humidity Sensor

The air quality monitor & temperature-humidity sensor duo offers real-time insights into indoor air quality and environmental conditions. The air quality monitor detects pollutants, allergens, and toxins, while the temperature-humidity sensor simultaneously tracks temperature and humidity levels.



VRV/VRF Gateway

The advanced VRV/VRF air conditioning (AC) gateway features cutting-edge connectivity technologies, facilitating the seamless integration of multiple air conditioners with your smart home centralized control or Building Management System (BMS). Select from a variety of connection options including RS485, KNX, or UART, each meticulously engineered for optimal compatibility and performance with your smart infrastructure.



Curtain Control Panel

This Curtain Control Panel is built on the reliable ZigBee protocol, ensuring seamless compatibility with various devices. Its versatile design accommodates a wide voltage range, while its super low power consumption sets a new standard for efficiency. Crafted with safety and durability in mind, the panel boasts a sleek glass finish that is both aesthetically pleasing and explosion-proof. With built-in safety protection functions, you can rest assured that your home and loved ones are safe.



KNX Power Module

The Power Module is designed to supply power for driving devices with higher current demands or for driving more devices in the system.



KNX Curtain Module

The Curtain Module is an integral component of the KNX system, enabling the automatic control of curtains, blinds/shades, awnings, and other similar devices. Its functionality encompasses opening, closing, stopping, and adjusting to specific positions as desired.

Highlights



01

Superb Compatibility and Versatility

akubela's HyPanels and add-ons seamlessly blend into existing HVAC systems, such as fan coil units, floor heating, and VRV/VRF, whether they are intelligent or not. They also integrate with numerous smart home brands, guaranteeing unmatched compatibility and versatility.



02

Remote and Proactive Control

You can effortlessly adjust climate settings remotely via the BelaHome APP, even for non-smart HVAC systems. The system also provides proactive control according to preset schedules, occupancy or weather conditions for a cozy home environment.



03

Voice Assistant Integration

Integrated with popular voice assistants, the akubela Smart Home allows hands-free climate system control. From adjusting temperature to managing shades, control your home's comfort with simple voice commands.



04

Green and Healthy Living


You can monitor the system's energy consumption in real time to keep a low carbon footprint. Also, scheduled climate settings and automated temperature control ensure that you enjoy a cozy and healthy living space.




05

Minimalist Aesthetics

The akubela HyPanels serve as smart thermostats, control panels, and indoor monitors, embodying minimalist aesthetics while functioning as the center of your home's climate control system.

 Video Surveillance

 Intrusion Detection

 Sensor Alarms

 24/7 Monitoring

 Instant Alerts

 Arming Mode



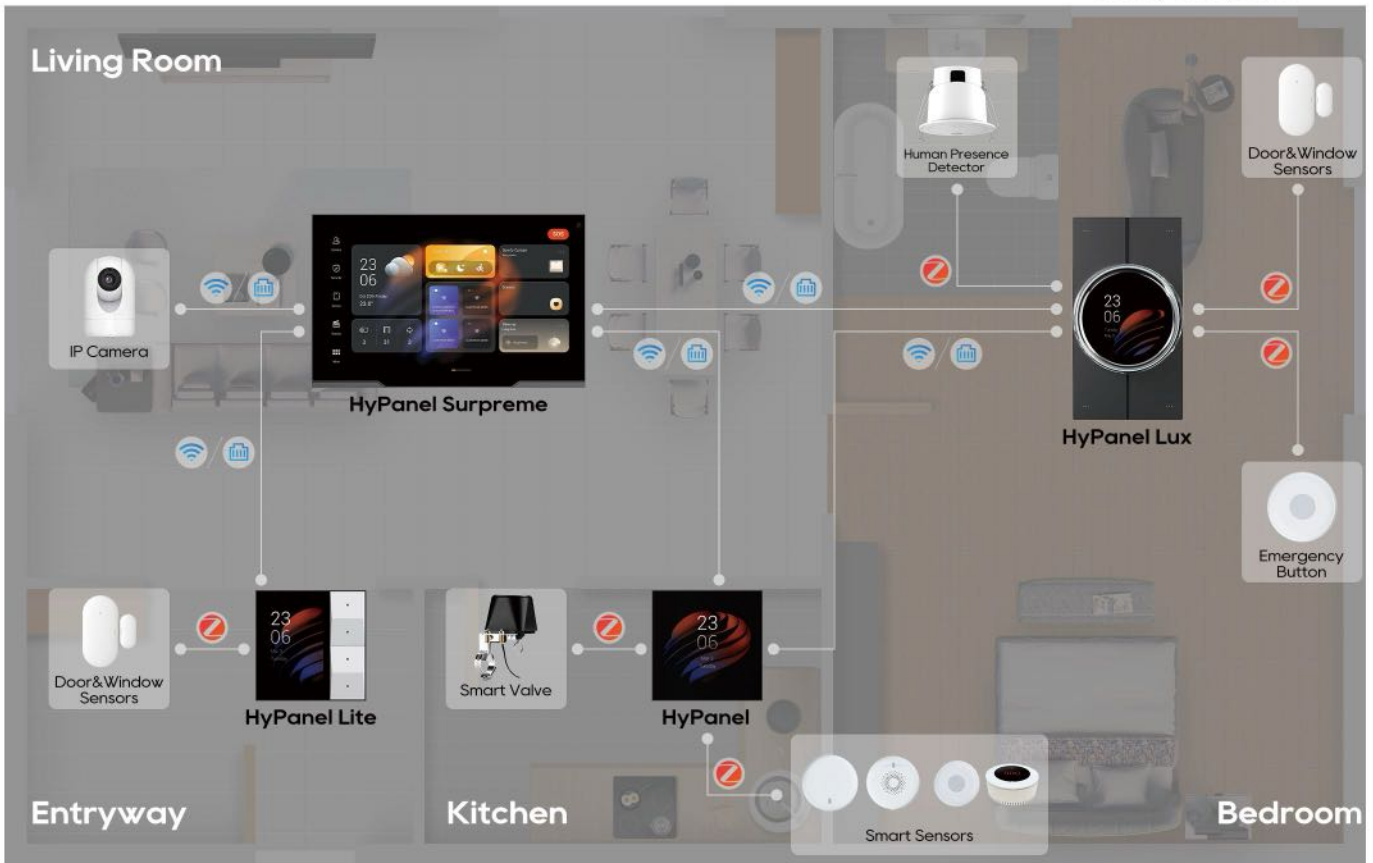
akubela | Security

Create a Haven of Peace

The akubela Security System is your multifaceted safeguard, blending video surveillance, intrusion detection, and alarm monitoring. Swiftly detecting and responding to any issues, the system ensures immediate action. In the event of any anomalies,

it will not only send instant notifications to you but also dispatch alerts directly to the property service team, ensuring they promptly address any on-site emergencies.





ZigBee Wi-Fi/Ethernet



akubela HyPanels

With akubela HyPanels, you can harness the power to personalize security rules by designating any security sensor as a trigger. When irregularities arise, it promptly exhibits real-time safety alerts. In urgent scenarios, its one-tap call feature allows you to request assistance effortlessly. Moreover, its capacity to display surveillance videos across various areas of your residence guarantees you stay informed about the state of your home.



Smart Sensors

Offering real-time updates about your home, the sensors cover a wide spectrum of aspects: water, gas, carbon monoxide, doors, smoke, human presence, temperature, and humidity.



Smart Emergency Button

Carry this portable emergency call button to seek immediate assistance during critical situations with ease – just a single press away from help.



Smart Valve

The valve controller automatically shuts off water or gas valves in the event of water or gas leaks, preventing indoor flooding, potential fires, and gas-related incidents.

Highlights

- **24/7 Real-Time Monitoring and Instant Alerts**

Enjoy round-the-clock surveillance with our system's instantaneous alerts sent to akubela's mobile app, control panels, and property management office terminals. This rapid response to anomalies ensures that potential threats are nipped in the bud.






- **Customizable Security Scenes for Every Need**

Craft personalized security rules for various scenarios. For example, the system can trigger surveillance recording or activate lights in response to unusual window or door openings, deterring potential intruders effectively.



- **Effortless Home Security Management**

Experience seamless control by arming or disarming your home security with a single tap, eliminating the need to toggle each electronic device manually. Additionally, you can control it via the BelaHome app anywhere, anytime.

 Door Locks Mobile App Face Recognition NFC Wave to Unlock Smart Intercom QR Codes PIN Codes IC Cards Bluetooth

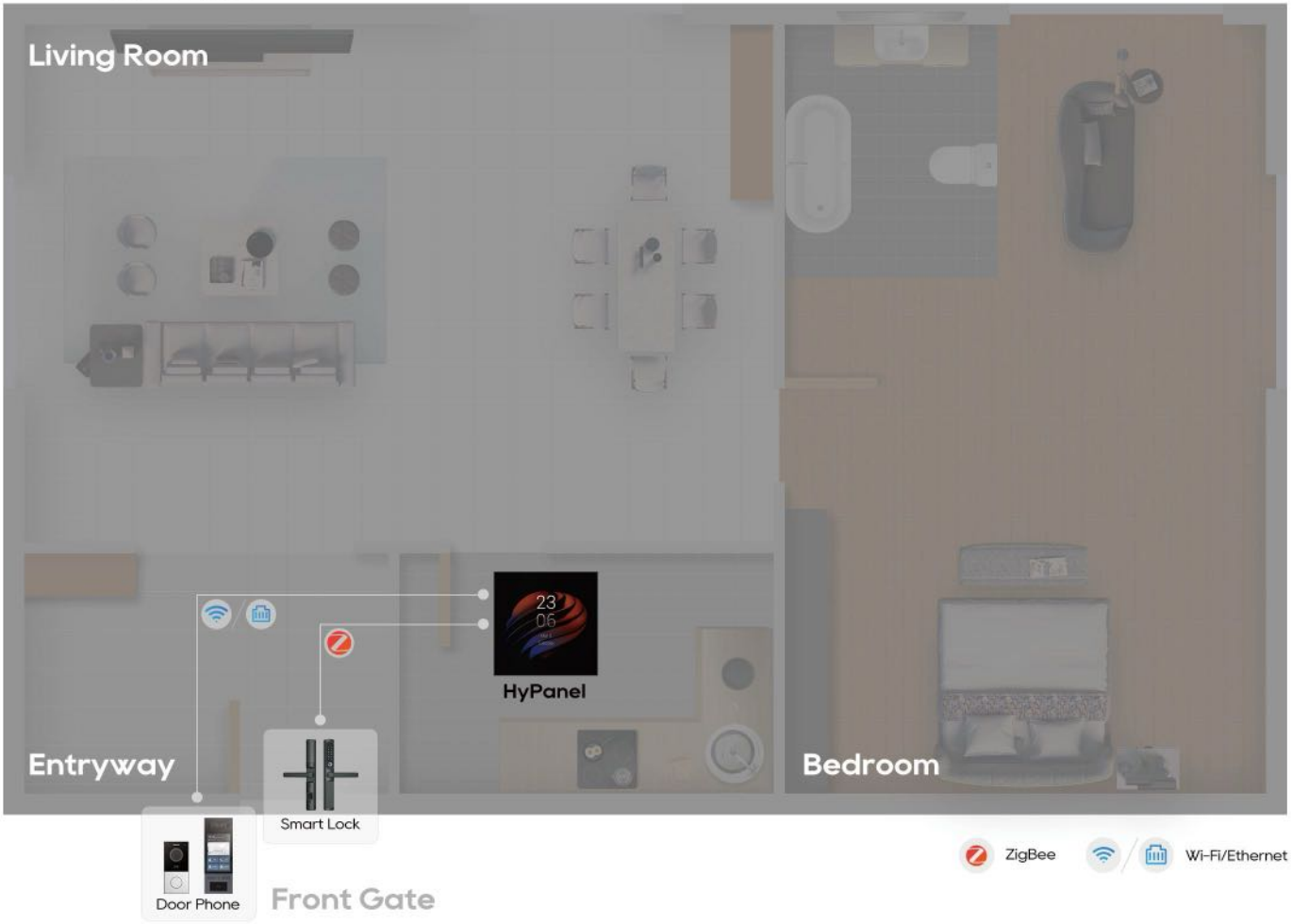
akubela | Entry

Where Smart Home Living Begins

Embark on a journey of unmatched convenience with the akubela Entry System. Merging intercom capabilities with smart home control, our innovative system allows you to stay connected to the external world while relishing the efficiency

and convenience of a smart home. Moreover, we've streamlined the setup process, ensuring that everyone can effortlessly engage with our system and bask in a truly lightweight smart home experience.





akubela HyPanels

The akubela HyPanels are double as smart intercoms. Paired with door phones, the HyPanels allow you to visually and audibly connect with visitors and remotely permit access. Not stopping there, the HyPanels foster harmonious internal family communication as they effortlessly converse across different rooms. As smart home control centers, the HyPanels connect with smart devices through both wired and wireless methods.

Smart Video Intercom

The smart video intercoms synergize cutting-edge technologies encompassing AI, SIP, Android, cloud computing, and security. The products offer superior audio and video call quality and support an array of access credentials – from Bluetooth and facial recognition to QR codes and mobile apps – crafting a seamless and convenient homecoming experience for all.

Smart Lock


The smart lock provides diverse unlocking options, including a one-time password for temporary guests, enhancing user convenience. The doorbell reminder can promptly notify you of any visitors. Residents can use the remote management feature to monitor and control the status of their home entrance at all times and track the lock's usage by reviewing device logs. Additionally, it features a low battery warning to ensure continuous operation.

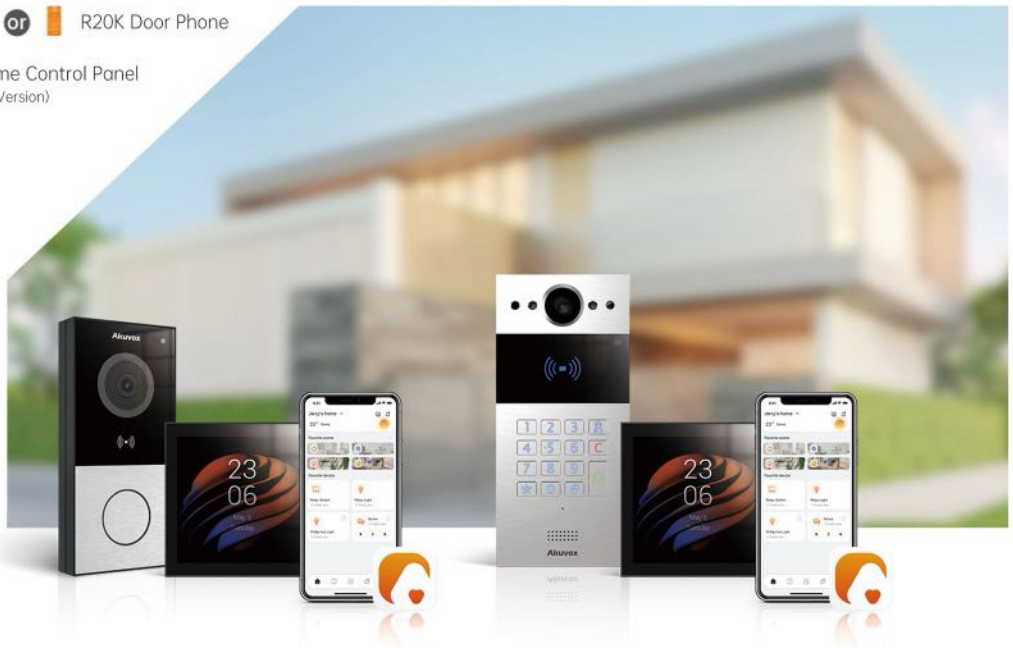




akubela Smart Home Entry Kit

akubela smart home entry kit comprises a smart door phone, a smart home control panel, and a mobile application. Easy to configure, user-friendly, and with remote control available, it fits your intercom, access control, home automation, and home security needs in various scenarios.

-  E12W Door Phone   R20K Door Phone
-  HyPanel Smart Home Control Panel
(Relay Version  PoE Version)
-  BelaHome App



Highlights



Light-Weight Smart Home Solution

More than just an entry system, the solution merges intercom, access control and smart lighting for your convenience and efficiency. Experience maximum home intelligence with minimal setup required.



Elevating the Entry Experience

You can choose from a variety of door-opening methods, from cutting-edge Bluetooth access to traditional access cards and PIN codes, catering to a spectrum of user preferences.



Welcoming Guests, Ensuring Security

You can utilize our app to remotely grant access to visitors or generate QR codes for your guests for self-guided entry, all while staying informed with a comprehensive history log, tracking who has visited your home and when.



Future-proof Your Home

The system boasts versatile connectivity options including wired, ZigBee, RS485, Wi-Fi, Ethernet, and more, opening up the possibility for future expansion with a vast range of third-party smart devices and brands.

Smart Home Control Panel

HvPanels









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HyPanel Supreme

Smart Home Magic, One Wave Away



- Android 12 OS
- 12.35-inch multi-touch screen with metal frame
- 2.5K (2560x1600) ultra HD resolution
- 5-megapixel camera with a physical privacy shutter
- 16-million-color ambient light
- Built in with 6-gang relays, 8 channels digital input, RS485
- Built in with various sensors, such as gesture sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi 6 / Bluetooth 5.0 / Ethernet connections

HyPanel Supreme



Model	PHX1-KNX-EU	PHX1-ST
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	12 ~ 24VDC
Network	Wi-Fi6 2.4G/5G & Bluetooth 5.0 & ZigBee 3.0 & ETH	
Material	Metal	
Screen Size	12.35"	
Screen Resolution	2560 × 1600 pixels	
Sensors Built In	Gesture recognition, proximity, light, temperature, humidity sensors	
Camera	5-megapixel camera with privacy shutter	
RS485	-	Support
Input	0 ~ 5VDC digital input x1	0 ~ 5VDC digital input x8
Output	-	3A 100 ~ 240VAC/gang, dry contact x4 2A 0 ~ 30VDC/gang, dry contact x2
Infrared Remote Control	-	
NTC	-	
Installation	EU Standard 86 Box	EU/UK/US backbox
Working Humidity	10% ~ 90%RH, without condensation	
Working Temperature	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 70°C	



HyPanel Ultra

Smart Home Synergy with Visual Brilliance



- Android 12 OS
- 10.36-inch multi-touch screen with metal frame
- 2K (2000x1200) ultra HD resolution
- 16-million-color indicator light
- Built in with 6-gang relays, 8 channels digital input, RS485
- Built-in sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi 6 / Bluetooth 5.0 / Ethernet connections

HyPanel Ultra



Model	PH81-KNX-EU	PH81-ST
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	12 ~ 24VDC
Network	Wi-Fi6 2.4G/5G & Bluetooth 5.0 & ZigBee 3.0 & ETH	
Material	Metal	
Screen Size	10.36"	
Screen Resolution	2000 × 1200 pixels	
Sensors Built In	Proximity, light, temperature, and humidity sensors	
Camera	-	
RS485	-	Support
Input	0 ~ 5VDC digital input x1	0 ~ 5VDC digital input x8
Output	-	3A 100 ~ 240VAC/gang, dry contact x4 2A 0 ~ 30VDC/gang, dry contact x2
Infrared Remote Control	-	
NTC	-	
Installation	EU Standard 86 Box	EU/UK/US backbox
Working Humidity	10% ~ 90%RH, without condensation	
Working Temperature	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 70°C	



HyPanel Pro

The Mastermind of Your Smart Home



- Android 10 OS
- 8-inch multi-touch screen
- 1280 x 800 resolution
- Dual microphones
- 5-megapixel camera with a physical privacy shutter
- Infrared remote control
- Built-in sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi / Bluetooth 4.2 / Ethernet connections

HyPanel Pro

Model	PG71-KNX-EU	PG71-PoE-EU	PG71-R2-EU
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	IEEE802.3af PoE & 12 ~ 24VDC	180 ~ 260VAC, 50Hz
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0 & ETH		
Material	Metal		
Screen Size	8"		
Screen Resolution	1280 × 800 pixels		
Sensors Built In	Proximity, light, temperature, and humidity sensors		
Camera	5-megapixel camera with privacy shutter		
RS485	-	Support	-
Input	0 ~ 5VDC digital input x1	-	-
Output	100 ~ 240VAC dry contact ×2	-	2-gang relay
Infrared Remote Control	Support		
NTC	-	-	-
Installation	EU/UK backbox		
Working Humidity	10% ~ 90%RH, without condensation		
Working Temperature	-10°C ~ 55°C		
Storage Temperature	-20°C ~ 70°C		

Model	PG71-R1-US	PG71-PoE-US	PG71N-R2-EU	PG71N-PoE-EU
Power Supply	100 ~ 260VAC, 50/60HZ	IEEE802.3af PoE & 12 ~ 24VDC	180 ~ 260VAC, 50Hz	IEEE802.3af PoE & 12 ~ 24VDC
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0 & ETH			
Material	Metal			
Screen Size	8"			
Screen Resolution	1280 × 800 pixels			
Sensors Built In	Proximity, light, temperature, and humidity sensors			
Camera	5-megapixel camera with privacy shutter		-	-
RS485	-	Support	-	Support
Input	-	-	-	-
Output	1-gang relay	-	2-gang relay	-
Infrared Remote Control	Support			
NTC	-	-	-	-
Installation	US backbox		EU/UK backbox	
Working Humidity	10% ~ 90%RH, without condensation			
Working Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 70°C			



Google Home is a trademark of Google LLC.

HyPanel Lux

Your Everyday Luxury



- Android 10 OS
- 2.1-inch multi-touch screen
- 480 x 480 resolution
- Four AG glass buttons
- Metal knob with 16-million-color RGB light ring
- Infrared remote control
- Built-in sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi / Bluetooth 4.2 / Ethernet connections

HyPanel Lux

Model	RT61-KNX-EU	RT61-PoE-EU	RT61-R2-EU
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	IEEE802.3af PoE & 12 ~ 24VDC	180 ~ 260VAC, 50Hz
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0 & ETH		
Material	V0 fireproof PC + 4 AG glass buttons + 1 metal knob		
Screen Size	2.1"		
Screen Resolution	480 x 480 pixels		
Sensors Built In	Proximity, light, temperature, humidity and gravity sensors		
Camera	-	-	-
RS485	-	Support	-
Input	0 ~ 5VDC digital input x1	-	-
Output	100 ~ 240VAC dry contact x2	-	2-gang relay
Infrared Remote Control	Support		
NTC	-	-	-
Installation	EU/UK backbox	EU/UK backbox	EU/UK backbox
Working Humidity	10% ~ 90%RH, without condensation		
Working Temperature	-10°C ~ 55°C		
Storage Temperature	-30°C ~ 70°C		

Model	RT61-PoE-US	RT61-D1-EU	RT61-D1-US
Power Supply	IEEE802.3af PoE & 12 ~ 24VDC	180~260VAC, 50Hz	100 ~ 260VAC, 50/60Hz
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0 & ETH		
Material	V0 fireproof PC + 4 AG glass buttons + 1 metal knob		
Screen Size	2.1"		
Screen Resolution	480 x 480 pixels		
Sensors Built In	Proximity, light, temperature, humidity and gravity sensors		
Camera	-	-	-
RS485	Support	-	-
Input	-	-	-
Output	-	1-gang dimmer	1-gang dimmer
Infrared Remote Control	Support		
NTC	-	-	-
Installation	US backbox	EU/UK backbox	US backbox
Working Humidity	10% ~ 90%RH, without condensation		
Working Temperature	-10°C ~ 55°C		
Storage Temperature	-30°C ~ 70°C		



Google Home is a trademark of Google LLC.

HyPanel Plus

Smart Living Made Effortless, Elegant, and Exciting



- Android 12 OS
- 4-inch multi-touch screen
- 480 x 480 resolution
- Two touch buttons
- Built-in sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi 6 / Bluetooth 5.4 / Ethernet connections

HyPanel Plus

Model	PS52V2-R2-EU	PS52V2-D1-US	PS52V2-PoE-US
Power Supply	180 ~ 260VAC, 50Hz	100 ~ 260VAC, 50/60Hz	IEEE802.3af PoE & 12 ~ 24VDC
Network	Wi-Fi 6 & Bluetooth 5.4 & ZigBee 3.0 & ETH		
Material	Metal		
Screen Size	4"		
Screen Resolution	480 x 480 pixels		
Sensors Built In	Proximity, light, temperature, and humidity sensors		
Camera	-	-	-
RS485	-	-	Support
Input	-	-	-
Output	2-gang relay	1-gang dimmer	-
Infrared Remote Control	-	-	-
NTC	-	-	-
Installation	EU/UK backbox	US backbox	US backbox
Working Humidity	10% ~ 90%RH, without condensation		
Working Temperature	-10°C ~ 55°C		
Storage Temperature	-20°C ~ 65°C		

Model	PS52N-R2-EU	PS52N-R1-US	PS52N-PoE-US
Power Supply	180 ~ 260VAC, 50Hz	100 ~ 260VAC, 50/60Hz	IEEE802.3af PoE & 12 ~ 24VDC
Network	Wi-Fi 6 & Bluetooth 5.4 & ZigBee 3.0 & ETH		
Material	V0 fireproof PC		
Screen Size	4"		
Screen Resolution	480 x 480 pixels		
Sensors Built In	Proximity, light, temperature, and humidity sensors		
Camera	-	-	-
RS485	-	-	Support
Input	-	-	-
Output	2-gang relay	1-gang relay	-
Infrared Remote Control	-	-	-
NTC	-	-	-
Installation	EU/UK backbox	US backbox	US backbox
Working Humidity	10% ~ 90%RH, without condensation		
Working Temperature	-10°C ~ 55°C		
Storage Temperature	-20°C ~ 65°C		



Google Home is a trademark of Google LLC.

HyPanel

The Simplicity of Design Powered by the Smartest Technology



- Android 10 OS
- 4-inch multi-touch screen
- 480 x 480 resolution
- Built-in sensors
- Built-in voice assistant
- ZigBee 3.0 / Wi-Fi / Bluetooth 4.2 / Ethernet connections

HyPanel

Model	PS51-KNX-EU	PS51-PoE-EU	PS51-R2-EU	PS51-D1-EU
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	IEEE802.3af PoE & 12 ~ 24VDC	180 ~ 260VAC, 50Hz	180 ~ 260VAC, 50Hz
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0 & ETH			
Material	V0 fireproof PC			
Screen Size	4"			
Screen Resolution	480 x 480 pixels			
Sensors Built In	Proximity, light, temperature, and humidity sensors			
Camera	-	-	-	-
RS485	-	Support	-	-
Input	0 ~ 5VDC digital input x1	-	-	-
Output	100 ~ 240VAC dry contact x2	-	2-gang relay	1-gang dimmer
Infrared Remote Control	-	-	-	-
NTC	-	-	-	-
Installation	EU/UK backbox	EU/UK backbox	EU/UK backbox	EU/UK backbox
Working Humidity	10% ~ 90%RH, without condensation			
Working Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 65°C			

Model	PS51-FANCOIL-EU	PS51-24VFANCOIL-EU	PS51-10VFANCOIL-EU	PS51-HEATING-EU
Power Supply	90 ~ 250VAC, 50/60Hz	24VAC/DC	24VAC/DC	90 ~ 250VAC, 50/60Hz
Network	Wi-Fi 2.4G/5G & Bluetooth 4.2 & ZigBee 3.0			
Material	V0 fireproof PC			
Screen Size	4"			
Screen Resolution	480 x 480 pixels			
Sensors Built In	Proximity, light, temperature, and humidity sensors			
Camera	-	-	-	-
RS485	Support			-
Input	-	-	-	0 ~ 5VDC digital input
Output	2 relays for cooling and heating valves; 3 relays for fan speed	2 relays for cooling and heating valves; 3 relays for fan speed	2 way for 0-10V cooling and heating valves; 3 relays for fan speed	Maximum Resistive Load: 16A
Infrared Remote Control	-	-	-	-
NTC	Support			
Installation	EU/UK backbox	EU/UK backbox	EU/UK backbox	EU/UK backbox
Working Humidity	10% ~ 90%RH, without condensation			
Working Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 65°C			



HyPanel Lite

The Classic Meets the Modern



- Linux OS
- 3.27-inch multi-touch screen
- 320 x 480 resolution
- Built-in sensors
- ZigBee 3.0 / Wi-Fi / Bluetooth 4.2 / Ethernet connections

HyPanel Lite

Model	KS41-KNX-EU	KS41-PoE-EU	KS41-R2-EU	KS41-FANCOIL-EU
Power Supply	KNX 21 ~ 30VDC AUX 21 ~ 30VDC	IEEE802.3af PoE & 12 ~ 24VDC	180 ~ 260VAC, 50Hz	90 ~ 250VAC, 50/60Hz
Network	Wi-Fi 2.4G & Bluetooth 4.2 & ZigBee 3.0 & ETH			Wi-Fi 2.4G & Bluetooth 4.2 & ZigBee 3.0
Material	Metal buttons, V0 fireproof PC			
Screen Size	3.27"			
Screen Resolution	320 x 480 pixels			
Sensors Built In	Proximity, light, temperature, and humidity sensors			
Camera	-	-	-	-
RS485	-	Support	-	Support
Input	0 ~ 5VDC digital input x1	-	-	-
Output	100 ~ 240VAC dry contact x2	-	2-gang relay	2 relays for cooling and heating valves; 3 relays for fan speed
Infrared Remote Control	-	-	-	-
NTC	-	-	-	Support
Installation	EU/UK backbox	EU/UK backbox	EU/UK backbox	EU/UK backbox
Working Humidity	10% ~ 90%RH, without condensation			
Working Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 65°C			

Add-ons



1/2 Gang Switch Module

Transforms a traditional switch into a smart ZigBee switch



- Standard ZigBee protocol with strong compatibility
- Wide voltage range
- Supports remote control via mobile apps or voice commands
- Includes a state memory function
- Supports three wiring methods (single switch, dual switches, or no switch)

Specification

Power Supply	100 ~ 240VAC
Connections	ZigBee 3.0
Max.Load	2300W
Operation Frequency	2.400GHz-2.484GHz, IEEE802.15.4
Operation Range	≤100m
IP Rating	IP20
Warranty	2 years
Product Size	46×46×18mm

Smart Key Switch

Smart switch control of unparalleled versatility



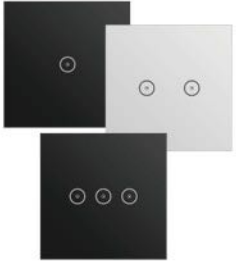
- AG glass resists fingerprints and stain
- Frosted finish brings elegant touch
- Remote control via the BelaHome app
- Manual control via tactile key buttons
- Voice control via popular voice assistants

Specification

Power Supply	110 ~ 250V, 50 ~ 60Hz
Rated Power	LED/150W(Max.) Resistance Load/600W(Max.)
Wireless Frequency	2.4GHz Standard: IEEE802.11b/g/n
Protocol	ZigBee 3.0
Wireless Consumption	≤0.2W
Surface Color	Gold/Black/White
Material	2.5D Glass
Life Long	More than 120,000 times
Working Temperature	-20°C ~ 70°C
Working Humidity	≤95%
Size	86*86*35mm

1/2/3 Gang Touch Switch

Replaces your old and outdated light switches with ease



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Wide voltage range
- Supports remote control via mobile apps or smart panels
- Vandal-resistant glass panel
- Highly responsive touch button
- Easy setup and use

Specification

Power Supply	110 ~ 240VAC, 50/60Hz
Connections	ZigBee 3.0
Control Mode	ZigBee control, touch control
Maximum Current	10A/gang
Rated Load	<300W/gang
Standby Power Consumption	<0.5W
Glass Panel	3MM toughened glass
Life Long	More than 100,000 times
Working Temperature	-30°C ~ 70°C
Working Humidity	0% ~ 95%RH
Product Size	86×86×36.5mm

Smart Socket

Scratch-proof quality sockets with USB ports



- Standard ZigBee protocol with strong compatibility
- Wide voltage range supply
- Super low power consumption
- Easy setup and use
- Supports remote control via mobile apps or smart panels

Specification

Power Supply	100 ~ 250VAC, 50/60Hz
Rated Current	10A
USB Output Voltage	5V
USB Output Current	2.1A
Connections	ZigBee 3.0
Wireless Consumption	≤0.2W
Wireless Frequency	IEEE802.11 b/g/n, @2.4GHz
Shell Material	PC Painting
Surface Color	White/Black/Gold
Working Temperature	-20°C ~ 70°C
Working Humidity	0%~ 95%RH
Product Size	86×86×35mm

Smart Plug (EU)

Makes your home appliances smarter



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Wide voltage range
- Supports remote control via mobile apps or smart panels
- Enhanced RF output power for extended communication range
- Easy setup and use

Specification

Power Supply	110 ~ 240VAC, 50/60HZ
Connections	ZigBee 3.0
Max.Load	2200W/3500W
Max.Current	16A
Standby Power Consumption	<0.5W
Material	PC + ABS
Wireless Distance	≈30m (open environment)
Working Temperature	-30°C ~ 70°C
Working Humidity	0% ~ 95%RH
Product Size	50×50×83.5mm

Smart Plug (UK)

Makes your home appliances smarter



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Wide voltage range
- Supports remote control via mobile apps or smart panels
- Enhanced RF output power for extended communication range
- Easy setup and use

Specification

Power Supply	110 ~ 240VAC, 50/60HZ
Connections	ZigBee 3.0
Max.Load	2800W
Max.Current	13A
Standby Power Consumption	<0.5W
Material	PC + ABS
Wireless Distance	≈30m (open environment)
Working Temperature	-30°C ~ 70°C
Working Humidity	0% ~ 95%RH
Product Size	φ58×55.3mm

Smart Plug (US)

Makes your home appliances smarter



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Wide voltage range
- Supports remote control via mobile apps or smart panels
- Enhanced RF output power for extended communication range
- Easy setup and use

Specification

Power Supply	110 ~ 240VAC, 50/60HZ
Connections	ZigBee 3.0
Max.Load	1800W
Max.Current	10A
Standby Power Consumption	<0.3W
Material	ABS
Wireless Distance	≈30m (open environment)
Working Temperature	-20°C ~ 45°C
Working Humidity	0% ~ 80%RH
Product Size	69.9×39.8×31.4mm

VRV/VRF Gateway

High-end indoor VRV/VRF AC gateway with innovative smart home connectivity



- Connects multiple VRV/VRF or duct AC units from brands like Daikin, Hitachi, and Gree to the BelaHome IoT Platform for smart control
- Built-in BelaHome ZigBee module for controlling air conditioning via the BelaHome smart app
- Allows independent connection to air conditioning and integration with existing panels, with automatic master-slave adaptation
- Supports wired centralized control for streamlined management, with Bluetooth function for on-site firmware upgrades
- Offers a dedicated Bluetooth mini-program for testing AC controls and accessing operational data and fault codes
- Provides remote fault diagnosis for quick issue resolution and efficient service response

Specification

Power Supply	8.5VDC
Working Temperature	-20°C ~ 60°C
Working Humidity	0% ~ 90%RH
Product Size	85×85×28mm

VRV/VRF Gateway

High-end outdoor VRV/VRF AC gateway with innovative smart home connectivity



- Display Module: Shows communication status, air conditioning brands and quantity, and identifies fresh air units
- Function Keys: Navigate and provide multiple functions through key combinations
- Climate Connection Terminal: Compatible with various air conditioning brands (e.g., Daikin, Hitachi, Toshiba)
- Communication Port (RS485): Complies with RS485 protocol for interfacing with fresh air and other environmental control systems

Specification

Power Supply	12VDC
Connections	ZigBee 3.0
Working Temperature	-20°C ~ 80°C
Working Humidity	0% ~ 90%RH
Product Size	106×96×58mm

Fan Coil Thermostat

Sleek design meets maximum comfort



- Achieves temperature precision within 0.5°C
- Wide voltage range
- No limit on the number of thermostats added to the mobile app
- Retains information even when power is disconnected

Specification

Power Supply	95 ~ 240VAC, 50/60HZ
Connections	ZigBee 3.0
Buttons	Capacitive Touch Buttons
Fan Relay Amps Resistance	5A; Inductive: 3A
Valve Relay Amps Resistance	3A; Inductive: 1A
Controllable Equipment	Two pipes (Control Fan Coil Unit and Two Wired Motorized Valve); Control Fan Coil Unit and 0-10V Motorized Valve), Four pipes (Control Fan Coil Unit and Two Wired Heat Valve and Two Wired Cool Valve)
Set Temperature Range	5°C ~ 35°C
Accuracy	±0.5°C
Storage Temperature	-5°C ~ 45°C
Working Temperature	0°C ~ 45°C
Working Humidity	5% ~ 95%RH

Heating Thermostat

Advanced, sleek thermostat for perfect, uniform home temperature control



- Supports creation of local product groups/shares for centralized control
- Enables multi-terminal control
- $\pm 1^{\circ}\text{C}$ temperature control accuracy
- Provides precise temperature control for desired warmth
- Ultra-thin embedded panel fits various wall types perfectly
- No limit on the number of thermostats added to the mobile app
- Retains information even when power is disconnected

Specification

Power Supply	95 ~ 240VAC, 50/60HZ
Material	PC + ABS (Fireproof)
Current Load	5A (water heating, gas boiler), 16A (electric heating)
Power Consumption	<1.5W
Timing Error	<1%
Buttons	Capacitive touch buttons
Protection Class	IP20
Working Temperature	0°C ~ 45°C
Set Temp. Range	5°C ~ 35°C
Room Temp. Range	5°C ~ 99°C
Display Temp. Range	5°C ~ 99°C
Working Humidity	5% ~ 95%RH
Connections	ZigBee 3.0
Installation Box	86×86mm square or EU 60mm round box
Wire Terminals	Wire 2×1.5mm ² or 1×2.5mm ²

Shades Motor

Quiet, efficient, seamless control



- Touch control technology allows gentle curtain opening and closing by pulling
- Patented mechanical clutch design enables manual operation during power failure
- Built-in radio receiver for network control
- Supports various control modes
- Fully automatic setting of limits
- Slow start and stop function
- The touch control function can be switched on and off
- Compact aluminum track with electron phosphoric coating suitable for straight and curved curtains

Specification

Power Supply	100 ~ 240VAC
Connections	ZigBee 3.0
Rated Current	0.25A@220VAC/50Hz
Rated Speed	75/90/110rpm
Rated Torque	1 N.m
Protection Class	IP41
Reception Frequency	433.92MHz±75KHz
Reception Bandwidth	150KHz
Reception Modulation	OOK/ASK
Sensitivity	-107dBm
Reception Channels	16 channels
Support Curtain Weight	4m/40kg
Product Size	40×40×320mm

Curtain Control Panel

Compact, efficient smart curtain switch with touch buttons and safety features



- Standard ZigBee protocol with strong compatibility
- Wide voltage range
- Super low power consumption
- Easy setup and use
- Supports remote control via mobile apps or smart panels
- Glass panel, explosion-proof, with safety protection function
- Touch key design for quick response

Specification

Power Supply	110 ~ 240VAC, 50/60HZ
Connections	ZigBee 3.0
Maximum Current	10A/gang
Maximum Power	300W
Standby Power Consumption	<0.5W
Glass Panel	3MM toughened glass
Life Long	100,000 times
Working Temperature	-30°C ~ 70°C
Working Humidity	0% ~ 95%RH
Product Size	86×86×36.5mm

Climate

Smart Air Quality Detector

Keeps an eye on your indoor climate



- Range of sensors for precise air quality analysis
- Suitable for residential, commercial, and industrial use
- Supports wireless or RS485 communication for data transmission
- Auto screen wake-up within a 50cm range
- Straightforward and intuitive network settings

Specification

Power Supply	100 ~ 240VAC
Connections	RS485/ZigBee and other wireless (subject to specific models)
Display	TFT screen
Working Temperature	-10°C ~ 55°C
Working Humidity	0% ~ 95%RH
Product Size	86×86×59mm

Temperature & Humidity Sensor

Measures the temperature and humidity of your home with a single device



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Easy installation — just install and use
- Low power alert
- Real-time display of temperature and humidity
- Easy battery replacement

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	3 years
Battery Type	2×No.7 batteries
Working Temperature	-10°C ~ 55°C
Working Humidity	0% ~ 95%RH
Product Size	φ61.2×23mm

Lighting

Smart Spotlight (R-D71012-9)

Low power consumption and low heat



- Features a high CRI (Ra) of over 95
- Offers full RGB color spectrum and pure white light from 2700K to 6500K
- Enables anti-glare illumination
- Saves 60% ~ 80% energy compared to incandescent bulbs
- Connects to HyPanels via ZigBee 3.0
- Remote control via the BelaHome app

Specification

Power Supply	100 ~277VAC /220 ~ 240VAC, 50 ~ 60HZ
Connection	ZigBee 3.0
Color Temperature (CCT)	2700K ~ 6500K
Lamp Luminous Efficiency	40
Lamp Luminous Flux (lm)	360
Beam Angle	24°
Light Source	COB
CRI (Ra)	95
Lamp Power (W)	9W
Output Current (A)	200MA
IP Rating	IP20
Working Temperature	-20°C ~ 40°C
Lamp Size	φ85×H74mm (75mm hole)

Smart Spotlight (R-D71009)

Low power consumption and low heat



- Features a high CRI (Ra) of over 95
- Offers full RGB color spectrum and pure white light from 2700K to 6500K
- Enables anti-glare illumination
- Saves 60% ~ 80% energy compared to incandescent bulbs
- Connects to HyPanels via ZigBee 3.0
- Remote control via the BelaHome app

Specification

Power Supply	100 ~ 277VAC /220 ~ 240VAC, 50 ~ 60HZ
Connection	ZigBee 3.0
Color Temperature (CCT)	2700 ~ 6500K
Lamp Luminous Efficiency	40
Lamp Luminous Flux (lm)	360
Beam Angle	24°
Light Source	COB
CRI (Ra)	95
Lamp Power (W)	9W
Output Current (A)	200MA
IP Rating	IP20
Working Temperature	-20°C ~ 40°C
Product Size	φ62×H77mm (55mm hole)

Smart Spotlight (R-D70910)

Low power consumption and low heat



- Features a high CRI (Ra) of over 95
- Offers full RGB color spectrum and pure white light from 2700K to 6500K
- Enables anti-glare illumination
- Saves 60% ~ 80% energy compared to incandescent bulbs
- Connects to HyPanels via ZigBee 3.0
- Remote control via the BelaHome app

Specification

Power Supply	100 ~277VAC /220 ~ 240VAC, 50 ~ 60HZ
Connection	ZigBee 3.0
Color Temperature (CCT)	2700 ~ 6500K
Lamp Luminous Efficiency	45
Lamp Luminous Flux (lm)	450
Beam angle	24°
CRI (Ra)	95
Light Source	COB
Lamp Power (W)	10W
Output Current (A)	200MA
IP Rating	IP20
Working Temperature	-20°C ~ 40°C
Product Size	φ62×H82mm (55mm hole)

Door & Window Sensors

Door and window security, the first line of defense for your home



- Standard ZigBee protocol for strong compatibility
- Super low power consumption
- Instant alert for open doors or windows
- Dual reed switch works in any door or window orientation
- Tamper alarm for enhancing device security
- Easy battery replacement

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	1 year
Battery Type	CR2032 battery
Low Battery Indication	Support
Alarm Triggering Distance	23±5mm
Shell Material	Fire-proof PC + Fire-proof ABS
Working Temperature	-10°C ~ 55°C
Transmitter Dimensions	52.6×26.5×13.8mm
Magnet Dimensions	25.5×12.5×13mm

Human Presence Detector

24GHz radar with high-gain antenna for accurate indoor human movement detection



- Accurate detection of human presence or absence signals
- Accurate detection of ambient illuminance
- Uses 24 GHz ISM Band Millimeter Wave Radar, an international standard
- Presence detection diameter: 6-8m maximum
- Minor moving detection diameter: 8-10m maximum
- Moving detection diameter: 8-10m maximum

Specification

Power Supply	220 ~ 240VAC, 50/60Hz
Connections	2.4 ~ 2.484GHz ZigBee Transmitting Frequency
Connections	ZigBee 3.0
Illuminance	5 ~ 1200Lux
Detection Radius	Movement: 4 ~ 5m (at 3m height)
Detecting Angle	100° (XZ field) and 100° (YZ field)
Install Height	2.5 ~ 4.0m (typical value: 3m)
Working Temperature	0°C ~ 50°C

Motion Sensor

Brings more convenience to your home



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Easy installation by simply setting it on a table or adhering it to a wall
- Low power alert
- Tamper alarm for enhancing device security

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	3 years
Battery Type	CR123A battery
Detection Radius	8m
Detecting Angle	90°
Install Height	2.2m
Undervoltage Alarm	Support
Working Temperature	-10°C ~ 55°C
Product Size	φ48.4×53.4mm

Emergency Button

Calls for help with one push



- ZigBee protocol for seamless integration
- Super low power consumption
- Low power alert
- One-press emergency alert for safety
- Activation of smart home scenes with a single press

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	1 year
Battery Type	CR2032 battery
Undervoltage Alarm	Support
Working Temperature	-10°C ~ 55°C
Product Size	φ50×16mm

Smart Lock

Advanced smart lock with encryption, multiple access methods, and ergonomic design



- Supports 4585 22x240 lock body
- Live biometric fingerprint identification
- Temporary password support
- Advanced security modes: fingerprint, password, and IC card combinations
- Improved fingerprint sensing for reduced false rejection and recognition rates
- Super C-class anti-theft lock cylinder exceeds national standards

Specification

Power Supply	6VDC
Dynamic Current	≤180mA
Standby Time	6 months
Reaction Time	≤ 0.1 Second
Fingerprint Identification Angle	360°
Lock Method	Fingerprint; password; IC card unlock; key unlock; remote control
Ingress Protection Rating	IP65
Battery Type	4 AAA alkaline dry batteries
False Recognition	≤0.0001%
Password Digits	4 ~ 8
Fingerprint Capacity	100 pieces
Working Environment	-25°C ~ 60°C
Working Humidity	20% ~ 90%RH

Gas Sensor

A must-have home tech for eliminating any health and safety risks



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- AC powered, plug in and start
- Interchangeable plug for various countries
- Resistant to interference from smoke and oil stains
- Functions as a wireless repeater
- Accurate auto-calibration
- Built with flame-retardant materials

Specification

Power Supply	12VDC
Connections	ZigBee 3.0
Standby Current	≤200mA
Detected Gas	Natural gas (methane)
Alarm Sound Pressure	≥ 72dB (1m in front of the gas detector)
Alarm Concentration	8% LEL Methane ± 3% LEL
Working Temperature	-10°C ~ 55°C
Working Humidity	0% ~ 95%RH
Product Size	φ85×29.6mm

CO Sensor

Prevents poisoning, keeps family safe



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Easy installation by simply setting it on a table or adhering it to a wall
- Low power alert
- Support sound and light alarm, wireless network alarm
- Easy battery replacement

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	1 year
Battery Type	CR123A battery
Transmit Power	≤8dBm
Reception Sensitivity	-96dBm
Alarm Voice Volume	70dB/2m
Alarm Concentration	200ppm
Range Display	0 ~ 500ppm; shows HI/HH Beyond Test Range
Communication Distance	80m (empty)
Working Temperature	-10°C ~ 55°C
Working Humidity	0% ~ 95%RH
Product Size	φ80×30.5mm

Smoke Sensor

Takes immediate action when a fire just starts



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Easy installation — just install and use
- Supports remote hush function via an app
- Stylish patented design combining fashion with functionality
- Low power alert
- Easy battery replacement

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	1 year
Battery Type	CR123A battery
Alarm Sound Pressure	≥ 85dB (3m in front of the smoke detector)
Installation	Ceiling
Working Temperature	-10°C ~ 55°C
Product Size	φ90×37mm

Security

Flood Sensor

Timely detection and alerts for abnormal water levels



- Standard ZigBee protocol with strong compatibility
- Super low power consumption
- Low power alert
- Easy installation by simply setting it on a table or adhering it to a wall
- Stylish patented design combining fashion with functionality
- Easy battery replacement

Specification

Power Supply	3VDC
Connections	ZigBee 3.0
Battery Life	1 year
Battery Type	CR2032 battery
Low Battery Indication	Support
Working Temperature	-10°C ~ 55°C
Product Size	φ50×18mm

Smart Valve

Effortless water system management



- Standard ZigBee protocol for strong compatibility
- Specifically designed for efficient water pipe control
- Constructed with flame-retardant ABS housing
- Functions effectively within a temperature range of -10°C to 50°C
- Capable of handling valve pressure up to 1.6MPa

Specification

Power Supply	12VDC
Connections	ZigBee 3.0
Motor Power	5W
Valve Pressure	1.61pa
Torque	40kgt.cn
Automatic Mixing Valve Time	5 ~ 10 seconds
Electric Actuation Time	5 ~ 10 seconds
Valve Specifications	13 mm, 20 mm, 1 inch
Working Temperature	-10°C ~ 50°C, without condensation
Product Size	93,5×70×78.5mm

Control

IR Controller

Makes legacy devices part of the smart home ecosystems



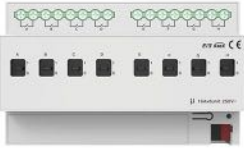
- Standard ZigBee protocol with strong compatibility
- Easy installation — just install and use
- Supports thousands of popular brands, enabling control of air conditioning, TV, and other devices
- Wide infrared signal coverage of 10-15 meters
- Extensive wireless range up to 70 meters in open environments
- Includes built-in temperature and humidity sensor
- Supports infrared learning

Specification

Power Supply	5VDC
Connections	ZigBee 3.0
Wireless Distance	≈70m (open environment)
Infrared Frequency	38KHz
Infrared Signal Coverage	Horizontal 360°, vertical 180° (hemisphere range), 10 ~ 15m
LED Indicator Light	Support
Buzzer	≈55dB
Infrared Learning	Support
Material	PC + Infrared transmission material
Working Temperature	-10°C ~ 55°C
Working Humidity	10% ~ 90%RH
Temperature Sensor	±1°C, range: -10°C ~ 55°C
Humidity Sensor	±5%, range: 10% ~ 90%RH, without condensation
Product Size	φ80×48mm

Switch Module (8-Gang, 16A)

KNX-certified high-quality accessories



- Supports manual switch operation
- Time-setting function for delayed switch control
- Logical functions (AND, OR, XOR) and gate functions
- Provides feedback on device switch status
- Configurable scene functionality
- Easy setup and use

Specification

Power Supply	21 ~ 30VDC, powered by the bus
Rated Voltage	250/440VAC, 50/60Hz
Output Switch Current	Compliant with AC1 (EN60947-4-1) (resistive load), 20A/230V; Compliant with AC3 (EN60947-4-1) (inductive load), 16A/230V; Compliant with EN60669 fluorescent lamp load, 16A/230V
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	144×90×64mm

Switch Module (28-Gang, 10A)

KNX-certified high-quality accessories



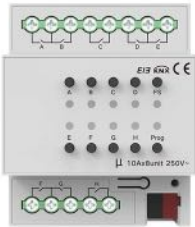
- Supports manual switch operation
- Time-setting function for delayed switch control
- Logical functions (AND, OR, XOR) and gate functions
- Provides feedback on device switch status
- Configurable scene functionality
- Simple wiring and operation

Specification

Power Supply	21 ~ 30VDC, powered by the bus
Rated Voltage	250V/440VAC, 50/60Hz
Output Switch Current	Compliant with AC1 (EN60947-4-1) (resistive load), 10A/230V; Compliant with AC3 (EN60947-4-1) (inductive load), 10A/230V; Compliant with EN60669 fluorescent lamp load, 10A/230V
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	216×90×64mm

Switch Module (8-Gang, 10A)

KNX-certified high-quality accessories



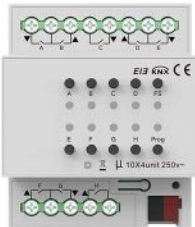
- Supports manual switch operation
- Time-setting function for delayed switch control
- Logical functions (AND, OR, XOR) and gate functions
- Provides feedback on device switch status
- Configurable scene functionality
- Easy setup and use

Specification

Power Supply	21 ~ 30VDC, powered by the bus
Rated Voltage	250V/440VAC, 50/60Hz
Output Switch Current	Compliant with AC1 (EN60947-4-1) (resistive load), 10A/230V; Compliant with AC3 (EN60947-4-1) (inductive load), 10A/230V; Compliant with EN60669 fluorescent lamp load, 10A/230V
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	72×90×64mm

Curtain Module (4-Gang)

KNX-certified high-quality accessories



- Supports manual switch operation
- Time-setting function for delayed switch control
- Provides feedback on device switch status
- Configurable scene functionality
- Easy setup and use

Specification

Power Supply	21 ~ 30VDC, powered by the bus
Rated Voltage	250V/440VAC, 50/60Hz
Output Switch Current	Compliant with AC1 (EN60947-4-1) (resistive load), 10A/230V; Compliant with AC3 (EN60947-4-1) (inductive load), 10A/230V; Compliant with EN60669 fluorescent lamp load, 10A/230V
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	72×90×64mm

Dimmer Module (4-Gang, 0-10V)

Comprehensive dimming capabilities



- **Comprehensive Dimming Capabilities:** Offers switch, relative, and absolute dimming functions, providing versatile lighting control for any environment or preference
- **Intelligent Monitoring and Control:** Features status and error reporting for enhanced system reliability, along with scene and preset control for customized lighting scenarios
- **Feedback and Assurance:** Equipped with output status indication, ensuring users are always aware of the current lighting conditions and system status

Power Module (960mA)

Power supply stability and signal transmission reliability guaranteed



- **Compatibility and Stability:** Uses standard EIB/KNX protocol with a stable power supply and reliable signal transmission across wide voltage ranges
- **Simple and Adaptable:** Easy to install and operate, efficiently functioning from -5°C to 45°C

Thyristor Dimmer Module (4-Gang, 300W)

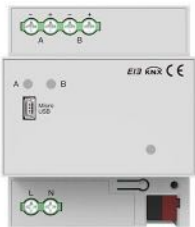
Comprehensive dimming capabilities



- **Comprehensive Dimming Capabilities:** Offers switch, relative, and absolute dimming functions, providing versatile lighting control for any environment or preference
- **Intelligent Monitoring and Control:** Features status and error reporting for enhanced system reliability, along with scene and preset control for customized lighting scenarios
- **Feedback and Assurance:** Equipped with output status indication, ensuring users are always aware of the current lighting conditions and system status

Dual-Channel DALI Gateway

Supports DALI device type 5, device type 8 Tc, device type 8 XY coordinates, and device type 8 RGB



- The gateway has 2 DALI outputs, each capable of connecting up to 64 DALI devices. Each DALI output can connect both DT6 and DT8 devices in a mixed configuration
- The lighting devices connected to each DALI channel are controlled via KNX using the following methods:

Broadcast
64 individual lights
16 groups
16 scenes

Specification

KNX Bus Voltage	21 ~ 30VDC, powered by the bus
Current Consumed Through The Bus	<12mA
Power Consumed Through The Bus	<360mW
Output Voltage	0~10VDC, each output max. 100mA
Use Wire Diameter	0.5-4mm ²
Connections	EIB/KNX
Protection Level	IP 20, EN 60 529
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	108×90×64mm

Specification

Power Supply	180 ~ 264VAC, 50/60Hz
Output Voltage	30VDC (Featuring dual channels: one for the signal bus and the other for auxiliary power supply)
Output Current	The combined total of the two channels is less than or equal to 960mA
Number Of Channels	2 channels
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	10% ~ 95%RH
Product Size	72×90×64mm

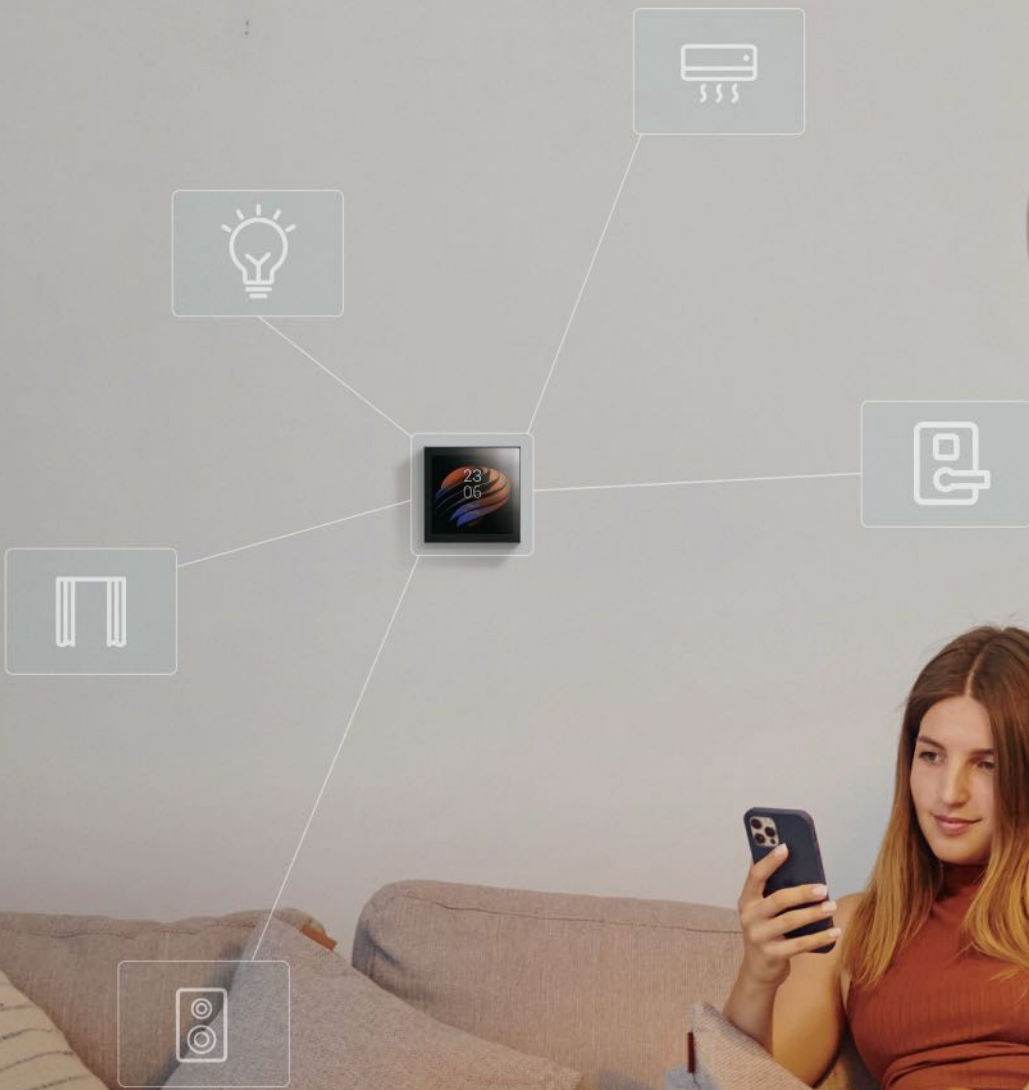
Specification

Power Supply	21 ~ 30VDC, powered by the bus
Output Voltage	230VAC, 50/60Hz
Input Voltage	230VAC, 50/60Hz
Maximum Loss Per Channel	5W
Number Of Dimming Channels	4 channels/2 channels/1 channel
Connections	EIB/KNX
Protection Level	IP 20, EN 60 529
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	216×90×64mm

Specification

Power Supply	100 ~ 240VAC
Mains Power Consumption Total Current	Maximum 48mA
Mains Power Consumption Total Power	Maximum 11W
KNX Bus Voltage	21 ~ 30VDC, powered by the bus
KNX Current Consumption	Maximum 10mA
KNX Cower Consumption	Maximum 210mW
DALI Output	2
Max.DALI Devices	64 per output
Supported Device Types	DT6, DT8 Tc, DT8 XY, DT8 RGB
DALI Voltage	Typical value 16VDC
Maximum Supply Current	2×250mA
Connections	EIB/KNX
Working Temperature	-5°C ~ 45°C
Working Humidity	0% ~ 93%RH
Product Size	72×90×64.1mm

Platforms





BelaHome App

Embrace the simplicity and convenience of device management, scene customization, smart intercom, and more — all at your fingertips.



Smooth Whole-Home Control

Effortlessly oversee all your smart home devices, regardless of your location.



Localized Service & Data

Data and services are localized for enhanced user information security and system reliability, ensuring worry-free operation.



Personalized Scene Customization

Create and access customized scenes and schedules for your smart home.



Efficient Device Group Control

Create device groups for streamlined control of multiple devices with a single tap.



Effortless Door Intercom

Enjoy crystal-clear audio and video calls with visitors and efficiently manage door access.



Instant Alarm Alert Notifications

Stay informed with instant alarm alerts, enabling you to monitor your home in real-time.

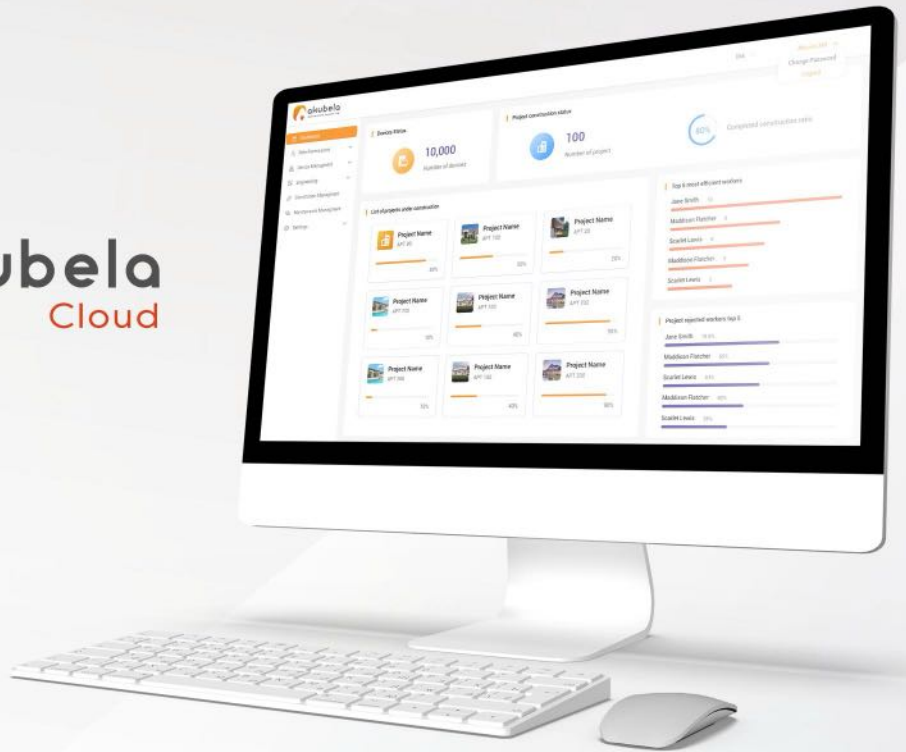


BelaHome Web

BelaHome Web, a powerful PC-based platform, puts you in control of your home. Effortlessly manage all your smart devices and experience efficient creation of customized scenes. No technical expertise needed — simply adapt your smart home to your lifestyle and preferences.



- **Brand-Agnostic Convenience**
No more juggling between apps. BelaHome Web supports a wide range of brands and device types, offering a unified control experience.
- **Energy Management Made Easy**
Stay updated on real-time energy consumption and soon manage energy usage to save on household expenses.
- **Personalized Automation**
Tailor automation scenes to align with your preferences and daily routines. Creating and managing scenes is now a breeze.
- **Enhanced Security Configuration**
Remote control and monitoring, automatic arming and disarming - all through the Web, eliminating human errors.
- **User-Friendly Design**
With clear navigation and an intuitive layout, BelaHome Web ensures effortless adjustments and easy exploration.



akubela Cloud

akubela Cloud is a management platform designed for smart home installers. With akubela Cloud, you gain the capability to effectively oversee and execute smart home projects while seamlessly integrating with third-party ecosystems.

Efficient Project Management

From individual residences to apartment complexes and entire communities, akubela Cloud accommodates a variety of smart home projects. Simplify the management of projects, devices, and users through its intuitive controls.

Swift Bulk Deployment

Leverage our home layout templates to apply the same device inventory, security settings, and scenes to numerous households, ensuring the rapid deployment of multi-residential projects.

Streamlined Device Maintenance

The portal empowers installers to monitor real-time device performance, upgrade systems, and configure data for optimal functionality remotely from a PC – eliminating the need for on-site visits.

Seamless Third-Party Integration

Open interface protocols for cloud-to-cloud integration are readily accessible, facilitating seamless incorporation with third-party systems such as Amazon Alexa, Google Home, and Apple HomeKit.

Akuvox Social Media



akubela Social Media



AK Knowledge Base





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